

IN THE CLAIMS

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claim 2.

Please AMEND claims in accordance with the following.

1. (CURRENTLY AMENDED) A client/server system comprising:
a server, comprising:

software to generate operating instructions for a client-side I/O device;
a device driver to function at the server as a client-side device driver for input-output control of a client-side I/O port, to generate a control signal for the client-side I/O device based on the operating instructions from the software; and

a virtual I/O port to function at the server as a client-side I/O port interface to the device driver by transmitting an input-output~~directly transmit the control received from the device driver and informing the device driver of a received client-side I/O device event signal for the client-side I/O device and to directly receive an I/O event from the client-side I/O device, to directly control the client-side I/O device;~~ and

a client communicably connectable with the server and communicably connectable with the client-side I/O device, the client in communication with the client-side I/O device, comprising:

a client-side device handler to directly receive receive the input-output control from the server the control signal from the virtual I/O port in the server and to transmit the client-side I/O device event to the server virtual I/O port, and

a client-side I/O port to control the client-side I/O device according to an input-output control from the client-side device handler-based upon system resources in the server, and to directly transmit the I/O event received from the client-side I/O device to the virtual I/O port in the server.

2. (CANCELLED)

3. (CURRENTLY AMENDED) A server, comprising:

software to generate operating instructions for a client communicably connected to the server, the client communicably connectable via a client-side I/O port to a client-side I/O device coupled with a client;

a device driver to function at the server as a client-side device driver for input-output control of the client-side I/O port to generate a control signal for the client-side I/O device based on the operating instructions; and

a virtual I/O port to function at the server as a client-side I/O port interface to the device driver by transmitting an input-output directly transmit the control signal received from the device driver in the server to a client-side device handler of the client, the client-side device handler in communication via the client-side I/O port with the client-side I/O device, and to directly receive by informing the device driver of a client-side I/O device event received from the client-side device handler an I/O event received from the client-side I/O device, to directly control the client-side I/O device.

4. (CURRENTLY AMENDED) A client, comprising:

a client-side device handler to control a client-side I/O device coupled with the client based on a control signal directly received from receive input-output control for a client-side I/O device from a server device driver and a server virtual I/O port in a server communicably connected with the client based upon system resources in the server, the control signal generated by a device driver in the server based on operating instructions generated by software on the server, and to directly transmit an a client-side I/O device event received from the client-side I/O device to the server virtual I/O port in the server.

5. (PREVIOUSLY PRESENTED) The client according to claim 4, further comprising:

at least one client-side I/O port, which is coupled with the client-side I/O device, and which is controlled by the device driver in the server.

6. (PREVIOUSLY PRESENTED) The client/server system of claim 1, wherein the client-side I/O device is a bar code reader.

7. (PREVIOUSLY PRESENTED) The client/server system of claim 1, wherein the client and server communicate via a LAN.

8. (PREVIOUSLY PRESENTED) The client/server system of claim 1, wherein the client and server communicate via the WWW.

9. (CURRENTLY AMENDED) A client/server system comprising:

a client comprising:

at least one client-side I/O device, and

a programmed computer processor to function as a device handler handling data communication, including an I/O event from the at least one client-side I/O device, via an client-side I/O port connected to the at least one client-side I/O device; and

a server communicably connectable with the client and comprising:

a programmed computer processor handling data communication, including directly to function at the server as a client-side device driver for input-output control of the client-side I/O port, and to function at the server as a client-side I/O port interface to the device driver by transmitting an input-output control received from the device driver to the client device handler and informing the device driver of a client-side I/O event received from the client device handler-controlling the at least one I/O device of the client and directly handling the I/O event from the at least one I/O device of the client, via a virtual I/O port in the server to the at least one I/O device of the client.